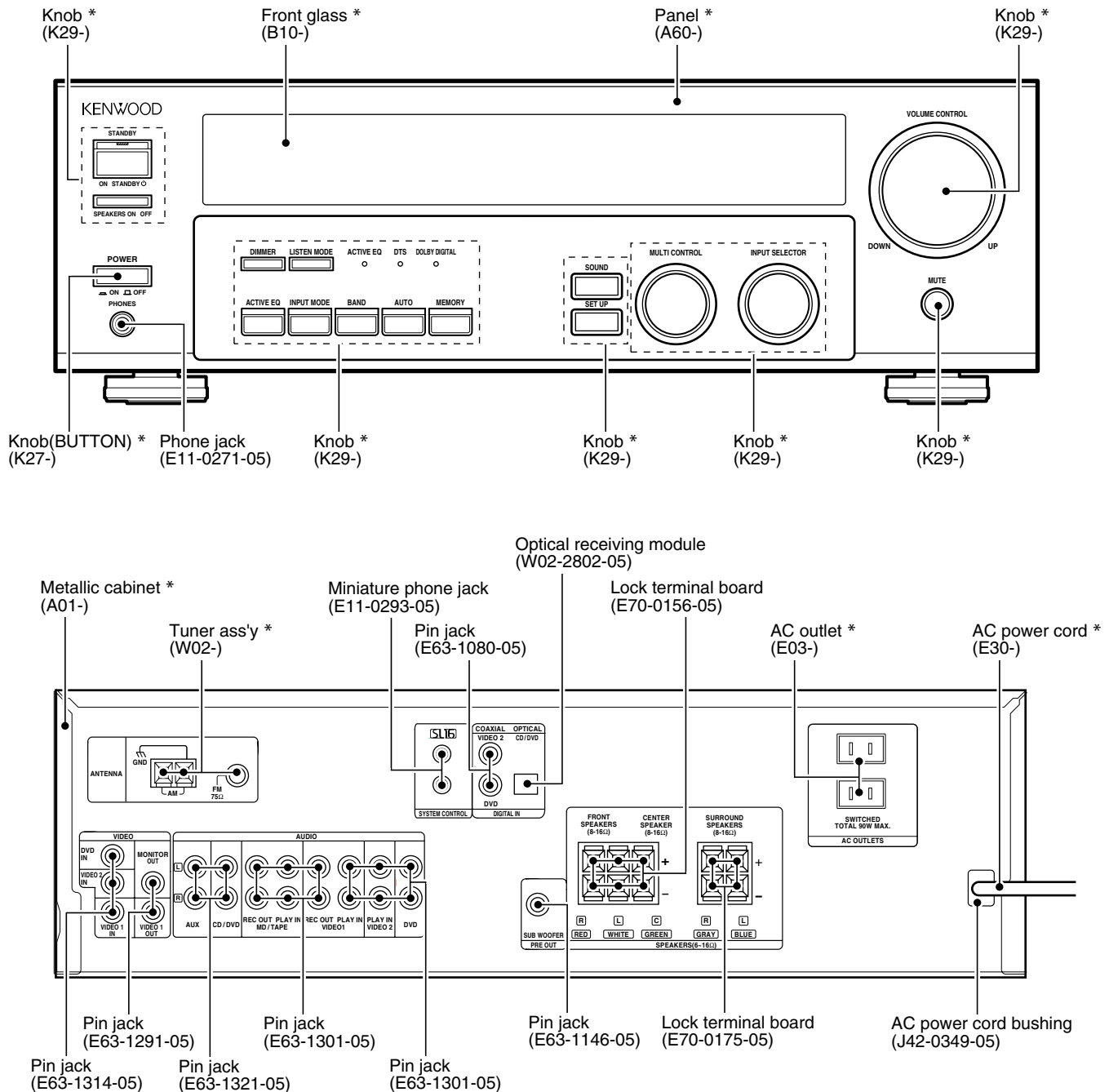


KRF-V4070D/V4070D-S/V5070D/V5070D-S KRF-V5570D/V5570D-S/V6070D/V6070D-S VR-705/705-S/707/715/715-S/716 SERVICE MANUAL



Illust. is KRF-V4070D.

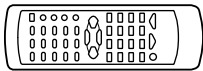
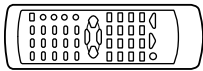
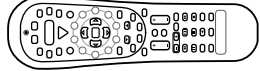
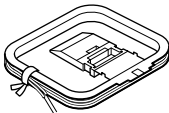
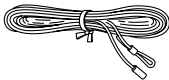
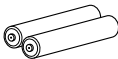
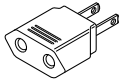
* Refer to parts list on page 29.



KRF-V4070D/V5070D/V6070D/VR-705/707/715/716

ACCESSORIES / CAUTIONS

Accessories

<p>Remote control unit (1) (See the below table)</p> <p>RC-R0626</p>  <p>RC-R0625</p>  <p>RC-R0824</p> 	<p>AM loop antenna (1) (T90-0893-05)</p> 	<p>FM indoor antenna (1) (T90-0877-05)</p> 	<p>Batteries (R6/AA) (2)</p> 
<p>AC Plug Adaptor (1) (E03-0115-05)</p>  <p>Use to adapt the plug on the power cord to the shape of the wall outlet. (Accessory only for regions where use is necessary.)</p>			

REMOTE CONTROL vs MODEL

MODEL	PARTS #	REMOTE CONTROL #	DESTINATION
KRF-V4070D	A70-1614-05	RC-R0628	E1
KRF-V4070D-S			E2
KRF-V4070D-S	A70-1612-05	RC-R0626	X2
KRF-V5070D	A70-1613-05	RC-R0625	E3
KRF-V5070D	A70-1611-05		M3
KRF-V5070D-S	A70-1613-05		E4
KRF-V5070D-S	A70-1611-05		M4X4
KRF-V5570D	A60-1612-05	RC-R0626	X5
KRF-V5570D-S			M6X6
KRF-V5570D-S	A60-1614-05	RC-R0628	E6

MODEL	PARTS #	REMOTE CONTROL #	DESTINATION
KRF-V6070D	A70-1617-05	RC-R0824	M7
KRF-V6070D			X7
KRF-V6070D	A70-1618-05	RC-R0825	E7
KRF-V6070D-S	A70-1617-05	RC-R0824	M8
KRF-V6070D-S	A70-1618-05	RC-R0825	E8
VR-705	A60-1612-05	RC-R0626	K1P1
VR-705-S			K6P6
VR-707	A70-1617-05	RC-R0824	K2P2
VR-715	A70-1611-05	RC-R0625	K3P3
VR-715-S			K5P5
VR-716	A70-1617-05	RC-R0824	K4P4

Cautions

Resetting the Microcomputer

The microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

- Please note that resetting the microcomputer will clear the contents of the memory and return the unit to the state it was in when it left the factory

For the U.S.A. and Canada

Unplug the power cord from the wall outlet, then plug it back in while holding down the POWER key.

For other countries

With the power cord plugged in, turn the POWER key OFF. Then, while holding down the ON/STANDBY I/O key, press POWER.

Memory back up function

Please note that the following items will be deleted from the unit's memory if the power cord is disconnected from the AC outlet for approximately 3 days.

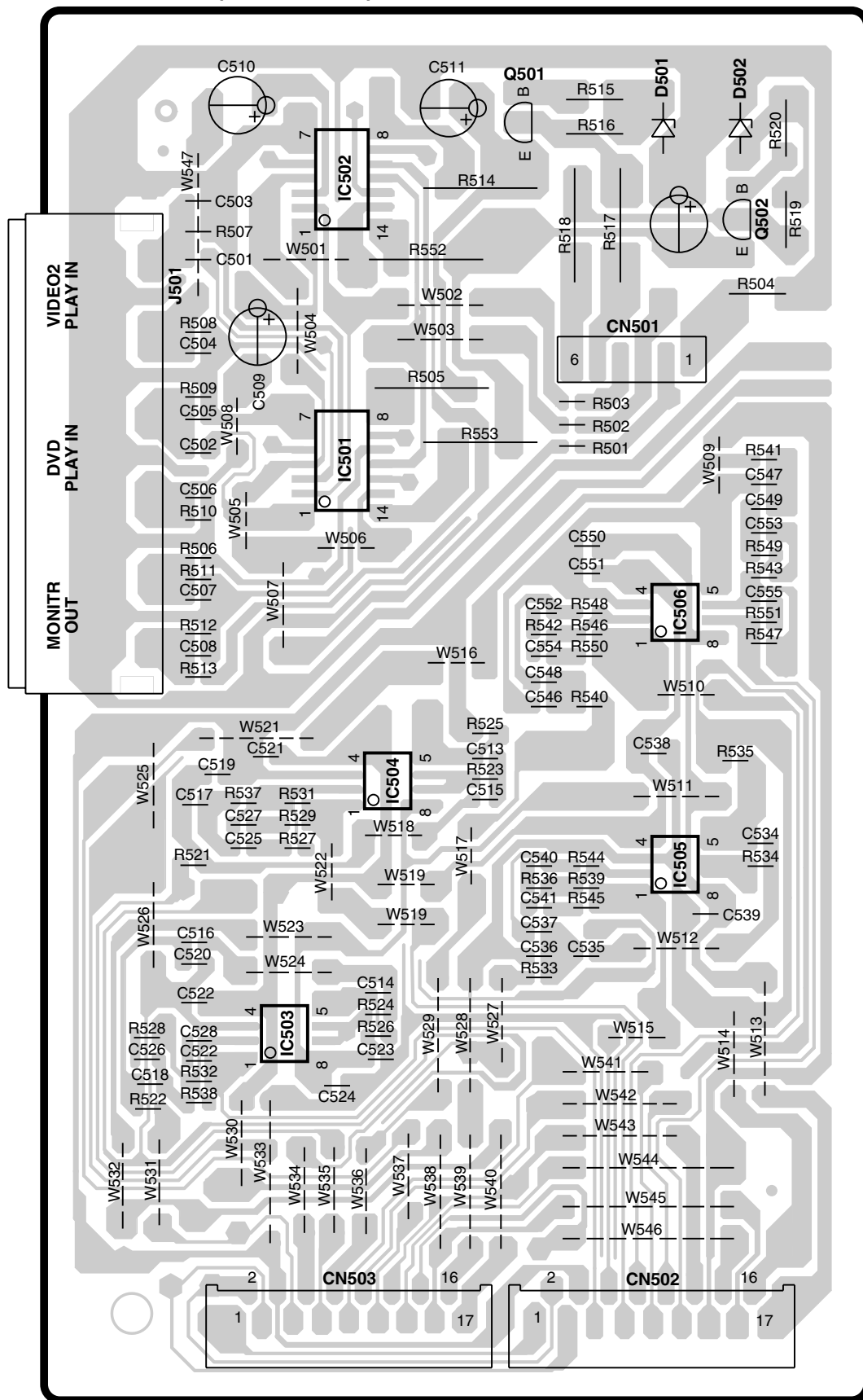
- | | |
|--|--|
| <ul style="list-style-type: none"> • Power mode. • Input selector settings. • Picture output. • Speaker ON/OFF. • Volume level. • BASS, TREBLE, INPUT level. • Dimmer level. • MD/TAPE settings. • Listen mode setting. • Speaker settings. • SW RE-MIX ON/OFF. | <ul style="list-style-type: none"> • Distance setting. • Input mode setting. • Midnight mode setting. • PRO LOGIC II mode setting. • Broadcast band. • Frequency setting. • Preset stations. • Tuning mode. • CINEMA EQ ON/OFF. • LOUDNESS ON/OFF. |
|--|--|

INTERCONNECTION DIAGRAM

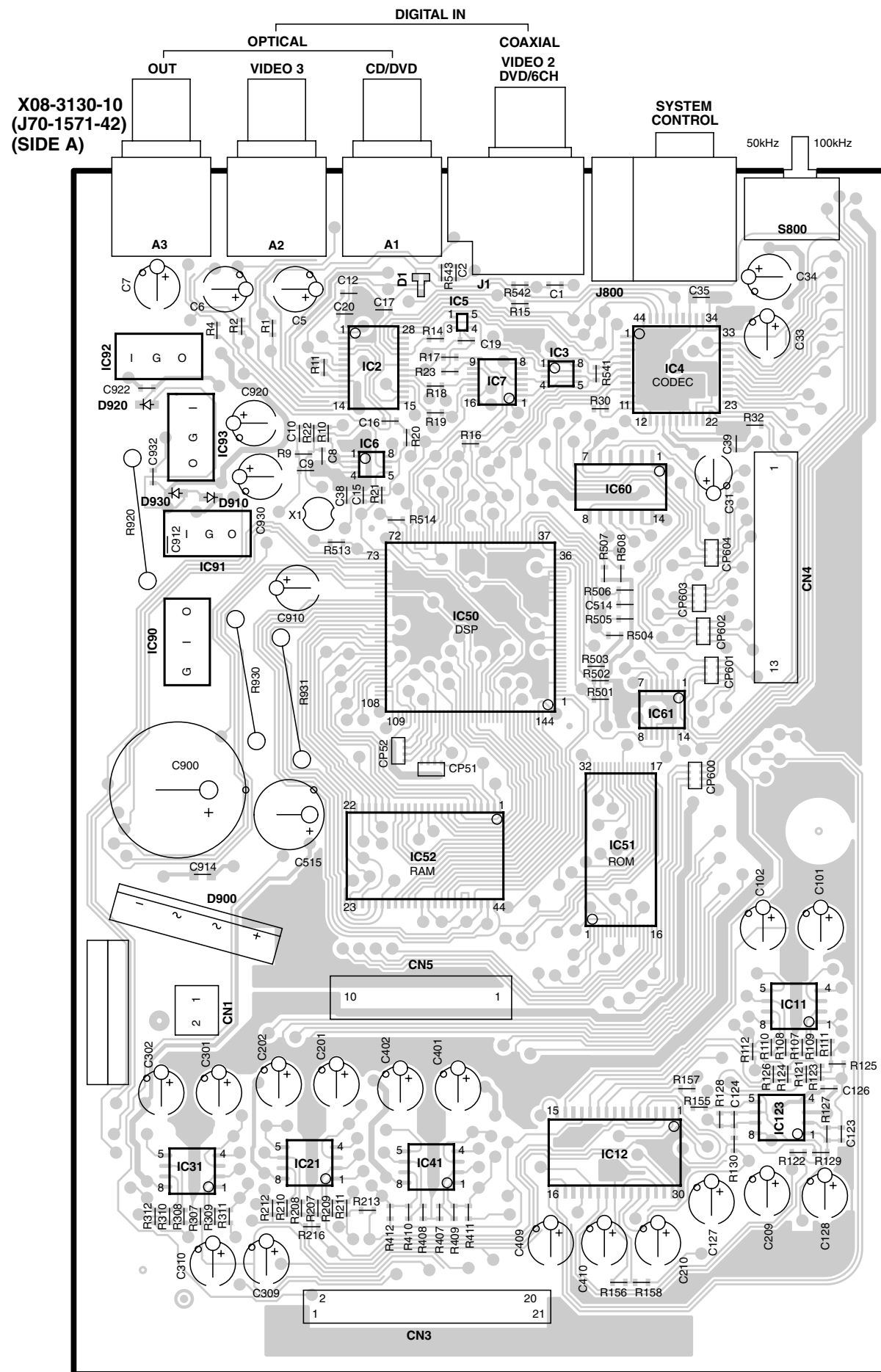


PC BOARD

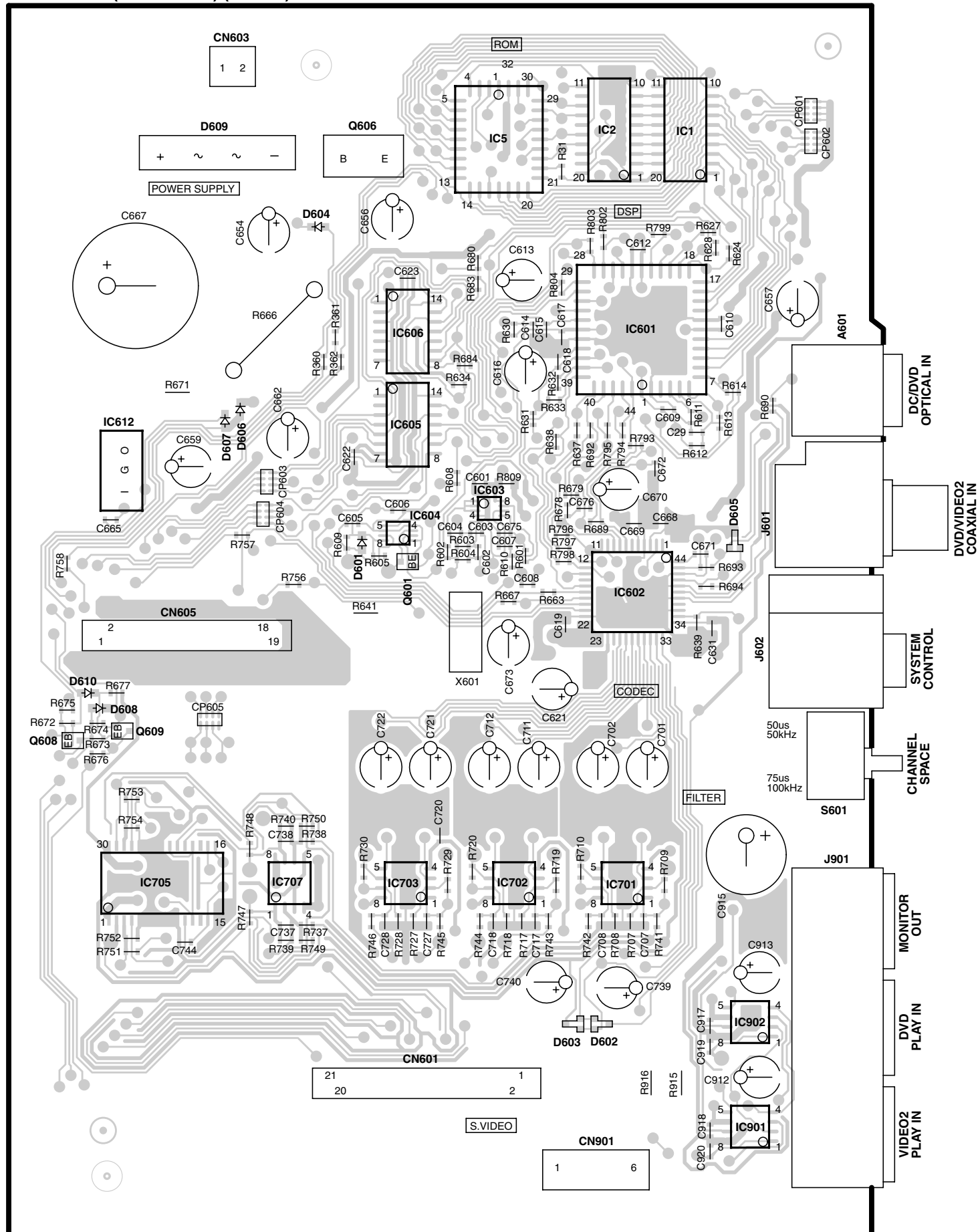
X25-6520-12(J70-1614-11)



PC BOARD

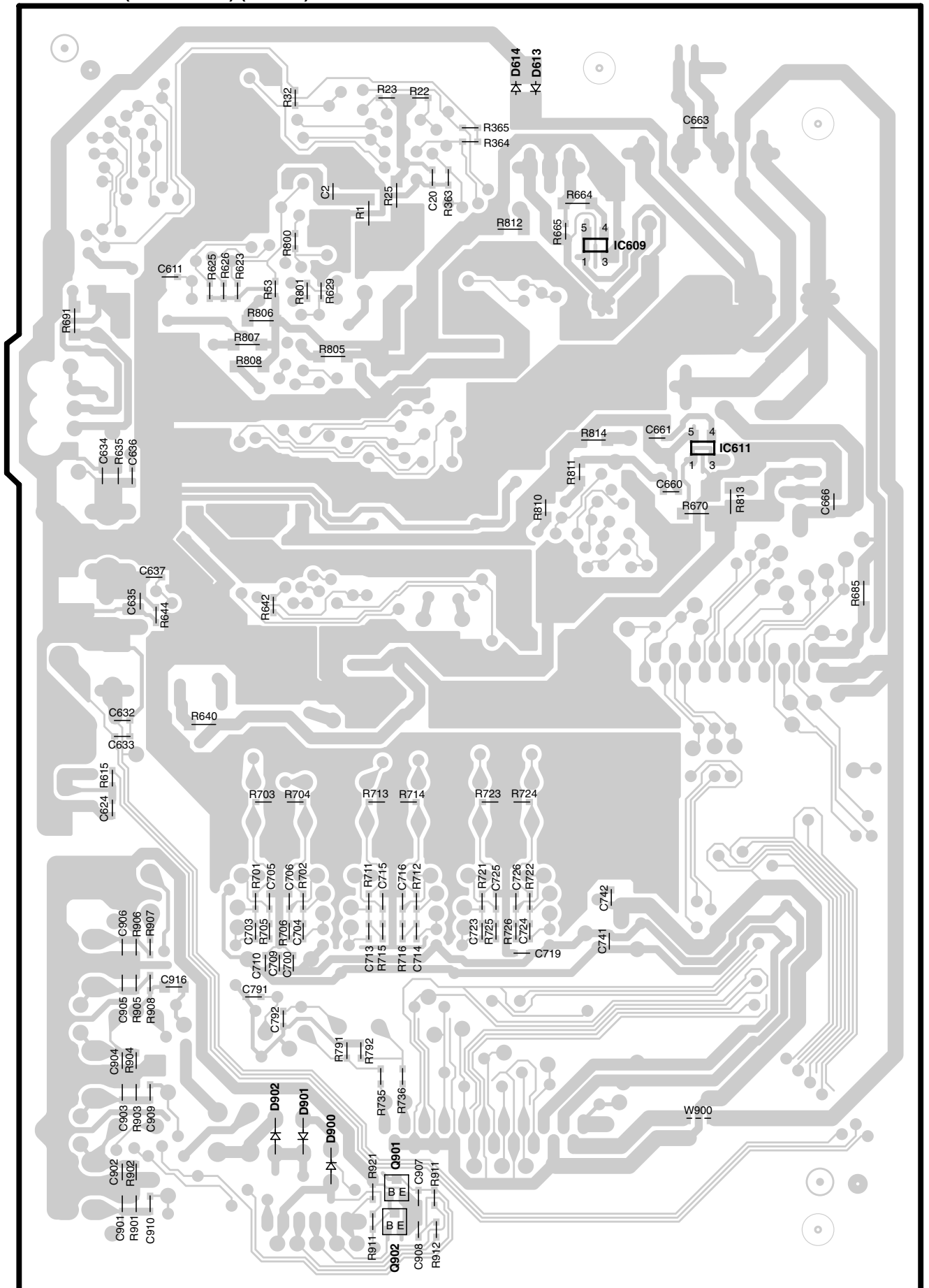


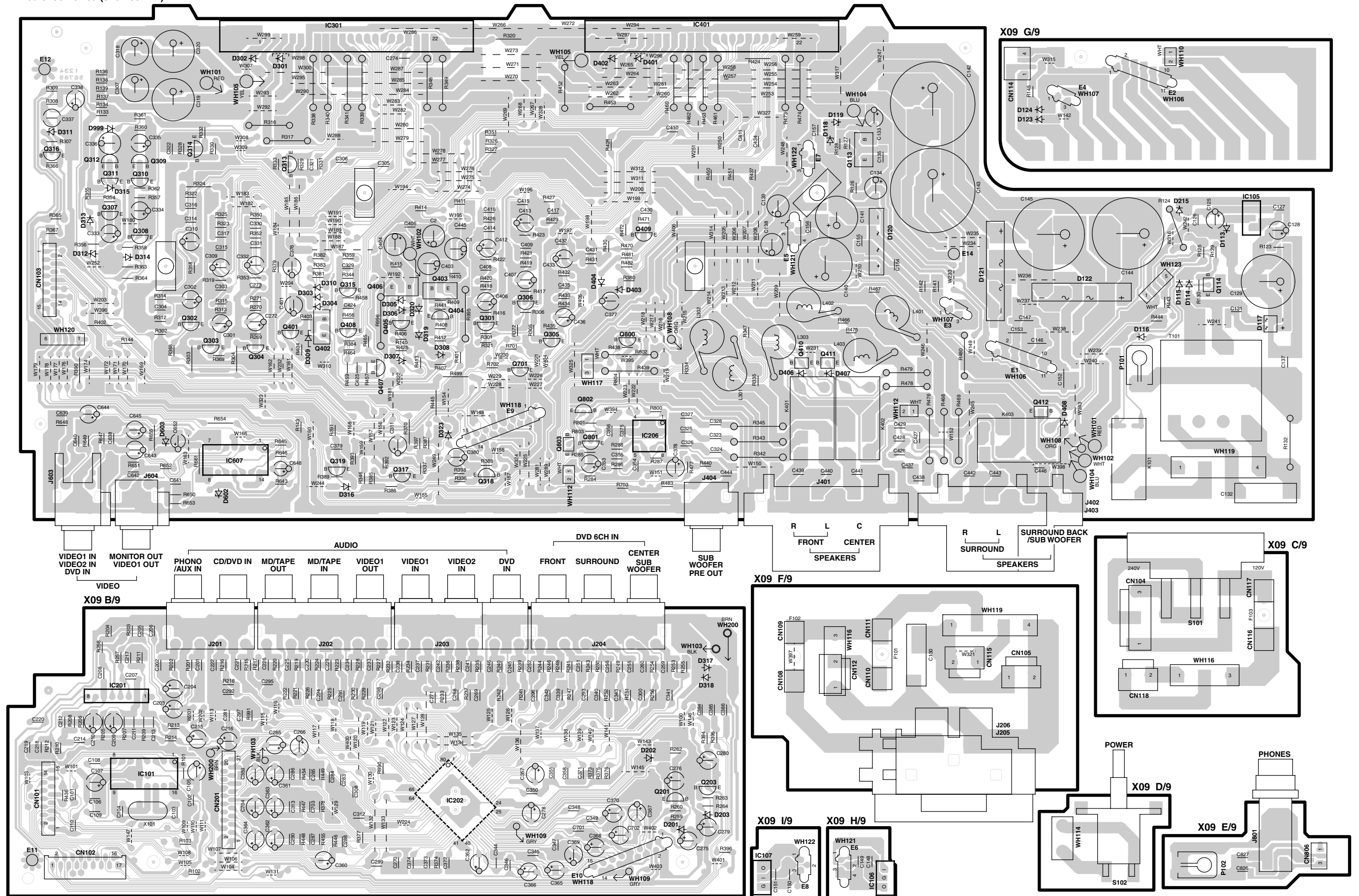
X08-3230-10 (J70-1659-02) (SIDE A)



Refer to the schematic diagram for the value of resistors and capacitors.

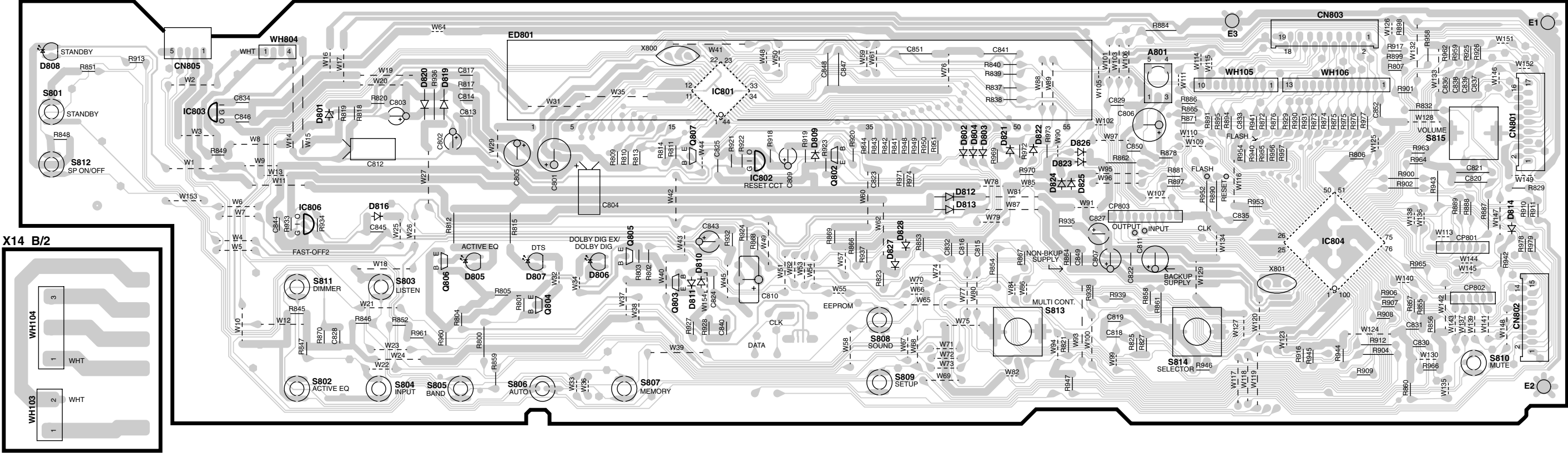
X08-3230-10 (J70-1659-02) (SIDE B)





PC BOARD

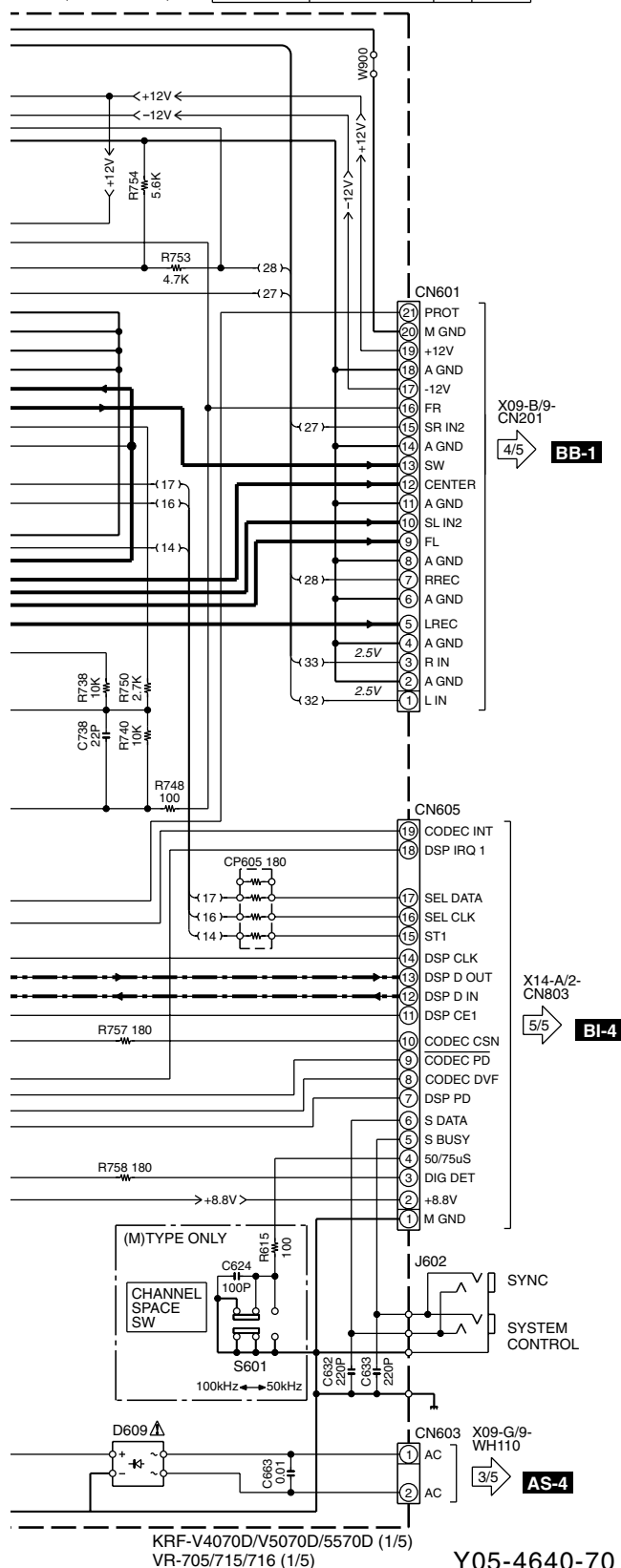
X14-7650-10 A/2 (J70-1660-01)
X14-7660-10 A/2 (J70-1664-01)



(X08-3230-10)

MODEL NAME	DESTINATION		UNIT No.
	COUNTRY	ABB.	
KRF-V4070D	EUROPE	E1	0-10
KRF-V4070D-S	AUSTRALIA	X2	
	EUROPE	E2	
KRF-V5570D	AUSTRALIA	X5	0-21
KRF-V5570D-S	GENERAL MARKET	M6	
	AUSTRALIA	X6	0-10
	EUROPE	E6	
	U.S.A.	K3	
VR-715	CANADA	P3	0-11
VR-716	U.S.A.	K4	
	CANADA	P4	0-21
KRF-V5070D	GENERAL MARKET	M3	
	EUROPE	E3	0-10
	GENERAL MARKET	M4	0-21
KRF-V5070D-S	AUSTRALIA	X4	0-10
	EUROPE	E4	
	U.S.A.	K1	
VR-705	CANADA	P1	

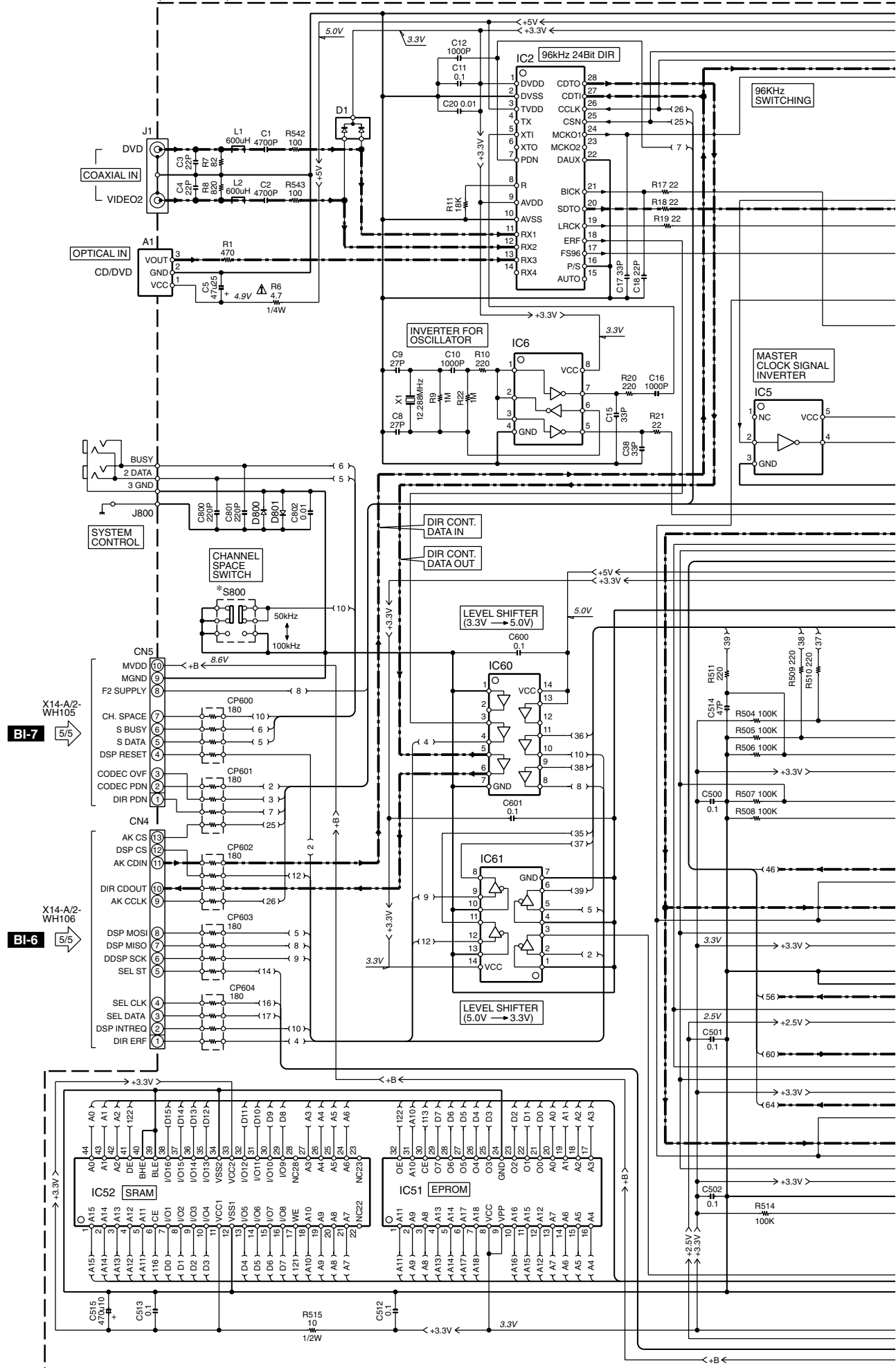
(X08-3230-10)



KRF-V4070D/V5070D/V6070D/VR-705/707/715/716

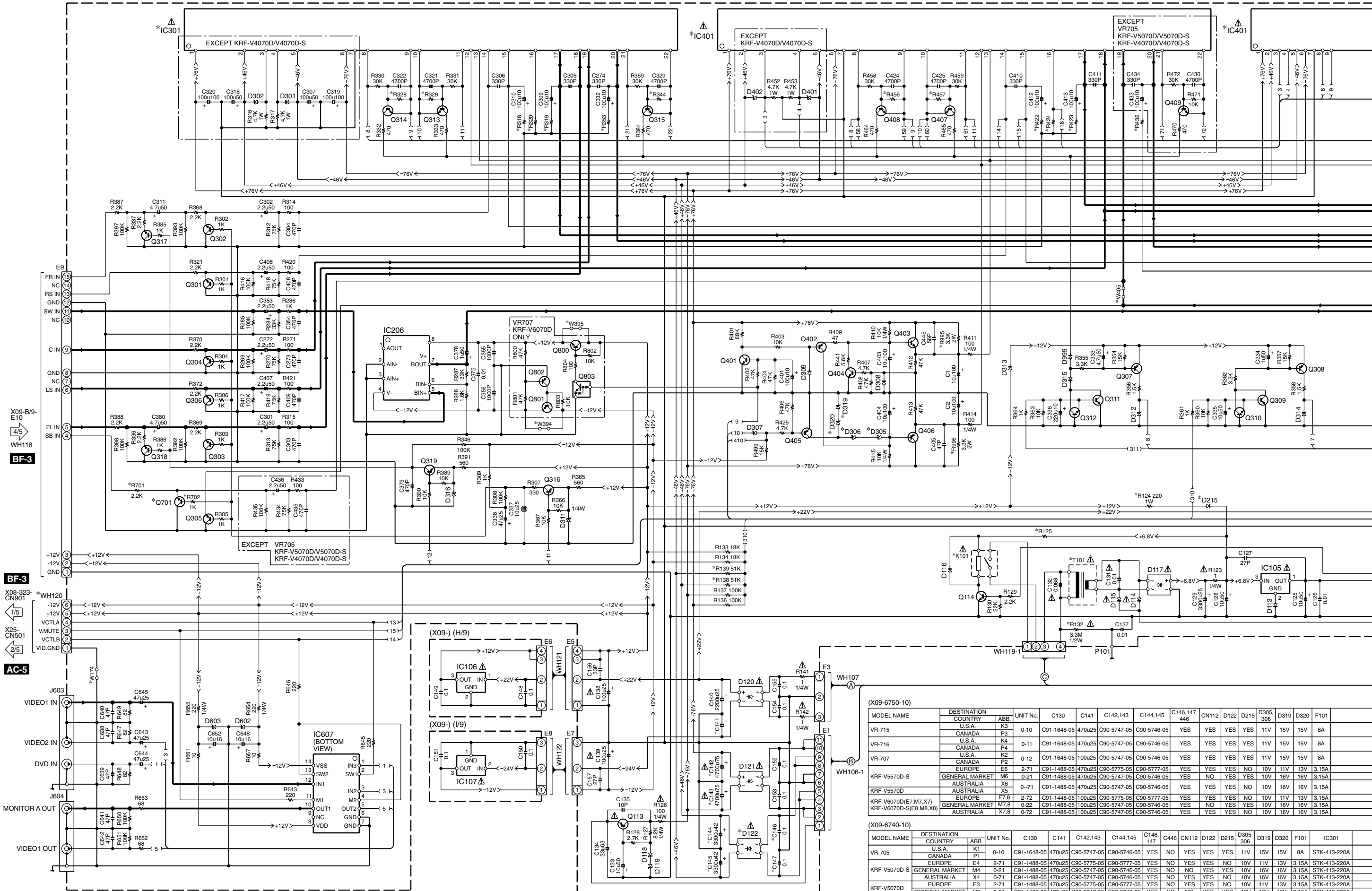
KENWOOD

(X08-3130-14)





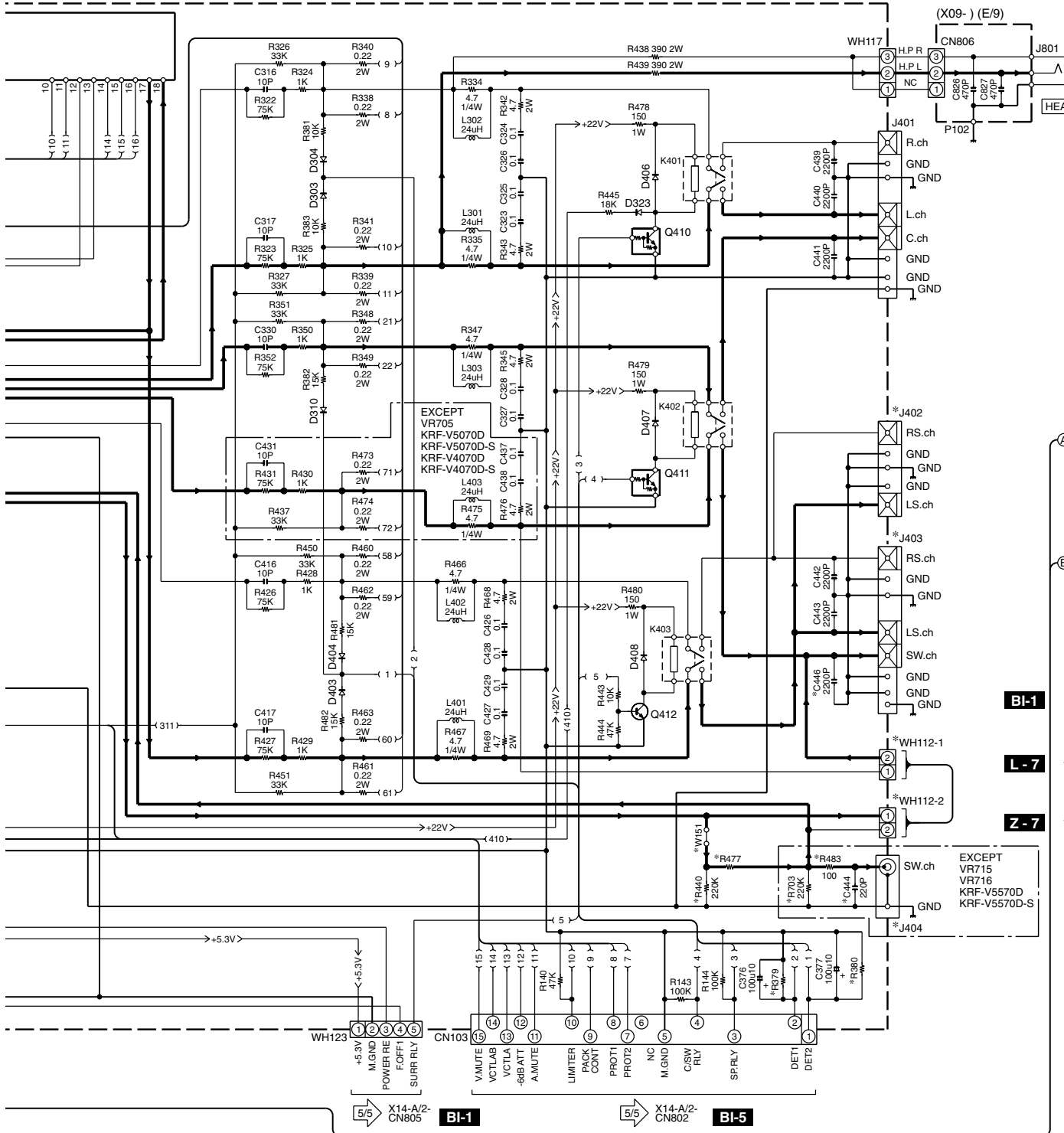
(X09-6740-10/6750-10) (A/9)



K09-6750-10)																													
MODEL NAME	DESTINATION		UNIT No.	C130	C141	C142,143	C144,145	C146,147,446	CN112	D122	D215	D305,306	D319	D320	F101														
	COUNTRY	ABB.																											
VR-715	U.S.A.	K3	0-10	C91-1648-05	470u25	C90-5747-05	C90-5746-05	YES	YES	YES	YES	11V	15V	15V	8A														
	CANADA	P3																											
	U.S.A.	K4																											
VR-716	U.S.A.	K4	0-11	C91-1648-05	470u25	C90-5747-05	C90-5746-05	YES	YES	YES	YES	11V	15V	15V	8A														
	CANADA	P4																											
	U.S.A.	K2																											
VR-707	CANADA	P2	0-12	C91-1648-05	100u25	C90-5747-05	C90-5746-05	YES	YES	YES	YES	11V	15V	15V	8A														
	EUROPE	E6														2-71	C91-1488-05	470u25	C90-5775-05	C90-5777-05	YES	YES	YES	NO	10V	11V	13V	3.15A	
	GENERAL MARKET	M6																											
KRF-V5570-D-S	AUSTRALIA	X6	0-21	C91-1488-05	470u25	C90-5747-05	C90-5746-05	YES	NO	YES	YES	10V	16V	16V	3.15A														
	U.S.A.	K5																											
	GENERAL MARKET	M6																											
KRF-V5570-D	AUSTRALIA	X5	0-71	C91-1488-05	470u25	C90-5747-05	C90-5746-05	YES	YES	YES	YES	NO	10V	16V	16V	3.15A													
	EUROPE	E7.8															2-72	C91-1488-05	100u25	C90-5775-05	C90-5777-05	YES	YES	YES	NO	10V	11V	13V	3.15A
	GENERAL MARKET	M7.8																											
KRF-V6070D(E7,M7,X7) KRF-V6070-D-(E8,M8,X8)	AUSTRALIA	X7.8	0-22	C91-1488-05	100u25	C90-5747-05	C90-5746-05	YES	YES	YES	YES	NO	10V	16V	16V	3.15A													
	EUROPE	E7.8															2-72	C91-1488-05	100u25	C90-5775-05	C90-5777-05	YES	YES	YES	NO	10V	11V	13V	3.15A
	GENERAL MARKET	M7.8																											
KRF-V6070D(E7,M7,X7) KRF-V6070-D-(E8,M8,X8)	AUSTRALIA	X7.8	0-22	C91-1488-05	100u25	C90-5747-05	C90-5746-05	YES	YES	YES	YES	NO	10V	16V	16V	3.15A													
	EUROPE	E7.8															2-72	C91-1488-05	100u25	C90-5775-05	C90-5777-05	YES	YES	YES	NO	10V	11V	13V	3.15A
	GENERAL MARKET	M7.8																											

X09-6740-10)																		
MODEL NAME	DESTINATION		UNIT NO	C130	C141	C142,143	C144,145	C146,147	C446	CN112	D122	D215	D305,306	D319	D320	F101	IC301	
	COUNTRY	ABB.																
VR-705	U.S.A.	K1	0-10	C91-1848-05	470u25	C90-5747-05	C90-5746-05	YES	NO	YES	YES	YES	11V	15V	15V	8A	STK-413-220A	
	CANADA	P1						YES	NO	YES	YES	YES	NO	10V	11V	13V	3.15A	STK-413-220A
	EUROPE	E4	2-71	C91-1488-05	470u25	C90-5775-05	C90-5777-05	YES	NO	YES	YES	YES	NO	10V	11V	13V	3.15A	STK-413-220A
KRF-55070D-S	GENERAL MARKET	M4	0-21	C91-1488-05	470u25	C90-5747-05	C90-5746-05	YES	NO	NO	YES	YES	NO	10V	16V	16V	3.15A	STK-413-220A
	AUSTRALIA	X4	0-71	C91-1488-05	470u25	C90-5747-05	C90-5746-05	YES	NO	YES	YES	YES	NO	10V	16V	16V	3.15A	STK-413-220A
KRF-55070D	EUROPE	E3	2-71	C91-1488-05	470u25	C90-5775-05	C90-5777-05	YES	NO	YES	YES	YES	NO	10V	11V	13V	3.15A	STK-413-220A
	GENERAL MARKET	M3	0-21	C91-1488-05	470u25	C90-5747-05	C90-5746-05	YES	NO	NO	YES	YES	NO	10V	16V	16V	3.15A	STK-413-220A
KRF-V4070D	EUROPE	E1	2-72	C91-1488-05	470u25	C90-5776-05	NO	NO	NO	YES	NO	NO	10V	NO	NO	2.5A	STK-443-070	
KRF-V4070D-S	EUROPE	E2	2-72	C91-1488-05	470u25	C90-5776-05	NO	NO	NO	YES	NO	NO	10V	NO	NO	2.5A	STK-443-070	
	AUSTRALIA	X1	0-71	C91-1488-05	470u25	C90-5776-05	NO	NO	NO	YES	NO	NO	10V	NO	NO	2.5A	STK-443-070	

(X09-6740-10/6750-10) (A/9)



IC301, 401	J205	J206	J402	J403	K101	Q409	Q701	R124	R125 (1/4W)	R132	R138,139, 440,995,996	R318,319,353, 422,423	R320, 424	R328,329,344, 456,457	R379, 380	R432	R477	R701, 702	T101	W151	W174	W321, 397	W394,395, 405	WH112	WH120
STK-413-220A	E03-0396-05	NO	NO	YES	S76-0099-05	YES	NO	YES	27	YES	YES	680	33K	10K	1.2K	2.4K	2.2K	NO	L07-2758-05	YES	NO	YES	YES	NO	NO
STK-413-220A	E03-0396-05	NO	NO	YES	S76-0099-05	YES	NO	YES	27	YES	YES	680	33K	10K	1.2K	2.4K	2.2K	NO	L07-2758-05	YES	YES	YES	YES	NO	YES
STK-413-220A	E03-0396-05	NO	NO	YES	S76-0099-05	YES	YES	YES	27	YES	YES	680	33K	10K	1.2K	680	1K	YES	L07-2758-05	YES	YES	YES	NO	NO	YES
STK-413-220A	E03-0398-05	NO	NO	YES	S76-0102-05	YES	NO	NO	1	NO	YES	820	33K	10K	1.5K	3K	2.2K	NO	L07-2758-05	YES	NO	NO	YES	NO	NO
STK-413-220A	E03-0398-05	NO	NO	YES	S76-0102-05	YES	NO	YES	27	NO	YES	680	33K	10K	1.2K	2.4K	2.2K	NO	L07-2805-05	YES	NO	NO	YES	NO	NO
STK-413-220A	NO	YES	NO	YES	S76-0102-05	YES	NO	NO	1	NO	YES	680	33K	10K	1.2K	2.4K	2.2K	NO	L07-2758-05	YES	NO	NO	YES	NO	NO
STK-413-220A	E03-0398-05	NO	NO	YES	S76-0102-05	YES	YES	YES	27	NO	YES	820	33K	10K	1.5K	820	1K	YES	L07-2758-05	YES	YES	NO	NO	NO	YES
STK-413-220A	E03-0398-05	NO	NO	YES	S76-0102-05	YES	YES	YES	27	NO	YES	680	33K	10K	1.2K	680	1K	YES	L07-2805-05	YES	YES	NO	NO	NO	YES
STK-413-220A	NO	YES	NO	YES	S76-0102-05	YES	YES	NO	1	NO	YES	680	33K	10K	1.2K	680	1K	YES	L07-2758-05	YES	YES	NO	NO	NO	YES

IC401	J205	J206	J402, 404	J403	K101	Q409, 701	R124	R125 (1/4W)	R132	R138,139, 995,996	R318,319,353, 422,423	R320, 424	R328,329,344, 456,457	R379, 380	R440,477, 701,702	T101	W151,174, 405	W321, 397	W394, 395	WH112	WH120
STK-412-220A	E03-0396-05	NO	YES	NO	S76-0099-05	NO	YES	27	YES	YES	680	33K	10K	1.2K	NO	L07-2758-05	NO	YES	YES	YES	NO
STK-412-220A	E03-0398-05	NO	YES	NO	S76-0102-05	NO	NO	1	NO	YES	820	33K	10K	1.5K	NO	L07-2758-05	NO	NO	YES	YES	NO
STK-412-220A	E03-0398-05	NO	YES	NO	S76-0102-05	NO	YES	27	NO	YES	680	33K	10K	1.2K	NO	L07-2805-05	NO	NO	YES	YES	NO
STK-412-220A	NO	YES	YES	NO	S76-0102-05	NO	NO	1	NO	YES	680	33K	10K	1.2K	NO	L07-2758-05	NO	NO	YES	YES	NO
STK-412-220A	E03-0398-05	NO	YES	NO	S76-0102-05	NO	NO	1	NO	YES	820	33K	10K	1.5K	NO	L07-2758-05	NO	NO	YES	YES	NO
STK-412-220A	E03-0398-05	NO	YES	NO	S76-0102-05	NO	YES	27	NO	YES	680	33K	10K	1.2K	NO	L07-2805-05	NO	NO	YES	YES	NO
STK-442-070	E03-0398-05	NO	YES	NO	S76-0102-05	NO	NO	1	NO	NO	820	10K	22K	1.5K	NO	L07-2758-05	NO	NO	YES	YES	NO
STK-442-070	NO	YES	YES	NO	S76-0102-05	NO	NO	1	NO	NO	680	10K	22K	1.2K	NO	L07-2758-05	NO	NO	YES	YES	NO

- IC105 : BA05T
IC106 : KIA7812API
IC107 : KIA7912PI
IC206 : NJM4565D
IC301 : *
IC401 : *
IC607 : NJM2279D

Q113,406 : 2SB1640
Q114,412 : 2SC1740(Q,R) or 2SC2785(F,E)
Q301-306,317,318,701 : 2SC2878(B)
Q307,308,316,319,405, 801,802 : 2SA992(F,E)
Q309-315,401,404, 407-409,800 : 2SC1845(F,E)
Q402 : 2SA1535A
Q403 : 2SC3944A
Q410,411,803 : UN4219 or DTC113ZSA

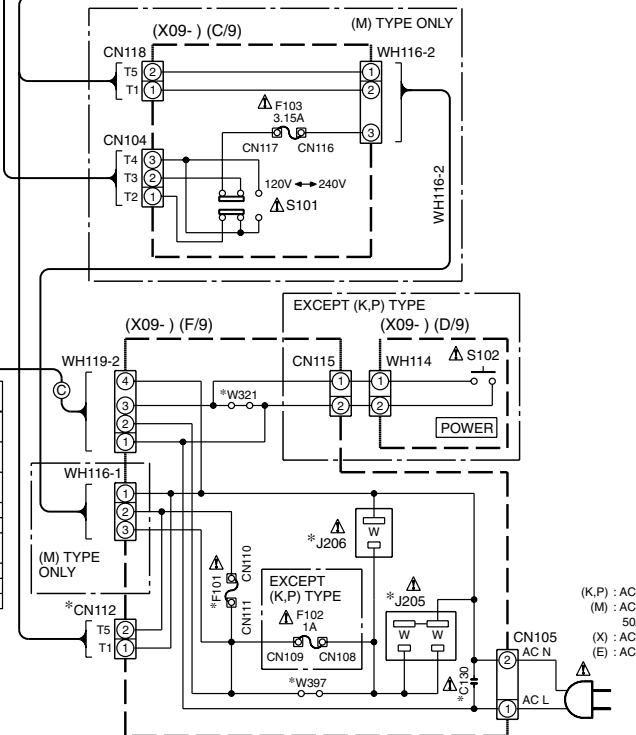
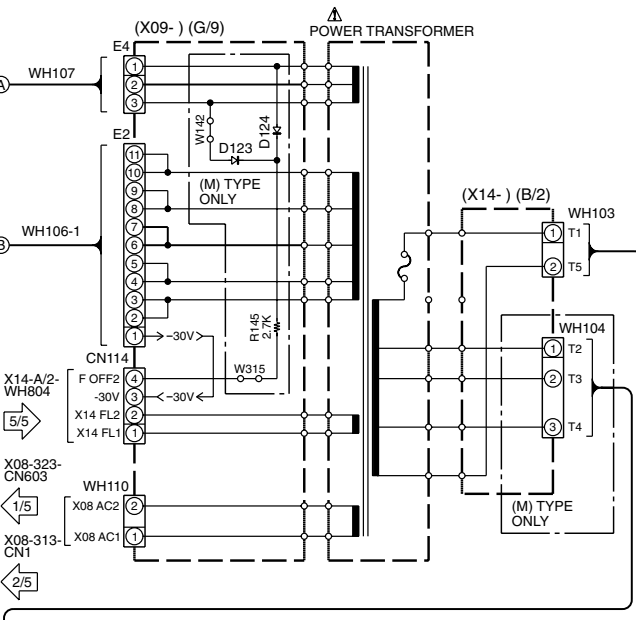
D113 : RB441Q-40
D114-116,123,124,215, 303,304,308-310,313, 315,323,403,404, 406-408 : 1SS133 or HSS104A
D117 : S1ZB20(4101)
D118 : MTZJ16(B) or HZS16N(B2)
D119,301,302,401,402 : MTZJ15(B) or HZS15N(B2)
D120 : D2SBA20F03
D121,122 : D5SBA20F03
D305,306 : *
D307,311,312,314,316 : MTZJ3.9(B) or HZS3.9N(B2)
D319 : *
D320 : *
D602,603 : MTZJ5.6(B) or HZS5.6N(B2)

SIGNAL LINE
GND LINE
+B LINE
-B LINE

BI-1

L-7

Z-7



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

KRF-V4070D/V5070D/V6070D/VR-705/707/715/716

